CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/004,827

CRF Processing Date: 12/12/01
Edited by:
Verified by: DC (STIC sta

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☑ Other: - inserted "hard return" where there were "run-on" entries for a sequence (at line 615)

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/004,827

DATE: 12/18/2001
TIME: 15:24:14

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12182001\J004827.raw

3 <110> APPLICANT: Jander, Georg
4 Baerson, Scott R
5 Durrett, Timothy P
7 <120> TITLE OF INVENTION: Plants with Imidazolinone-Resistant ALS
9 <130> FILE REFERENCE: 38-10(15820)B
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/004,827
C--> 11 <141> CURRENT FILING DATE: 2001-12-07
11 <150> PRIOR APPLICATION NUMBER: US 60/257,480
12 <151> PRIOR FILING DATE: 2000-12-21
14 <160> NUMBER OF SEQ ID NOS: 38
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 2013
20 <212> TYPE: DNA
21 <213> ORGANISM: Arabidopsis thaliana ecotype Columbia
23 <400> SEQUENCE: 1

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28 aaccccaaca aatcatcctc ctcctcccgc cgccgcggta tcaaatccag ctctccctcc 180
30 tccatctccg ccgtgctcaa cacaaccacc aatgtcacaa ccactccctc tccaaccaaa 240
32 cctaccaaac ccgaaacatt catctcccga ttcgctccag atcaaccccg caaaggcgct 300
34 gatatcctcg tcgaagcttt agaacgtcaa ggcgtagaaa ccgtattcgc ttaccctgga 360
36 ggtacatcaa tggagattca ccaagcctta acccgctctt cctcaatccg taacgtcctt 420
38 cctcgtcacg aacaaggagg tgtattcgca gcagaaggat acgctcgatc ctcaggtaaa 480
40 ccaggtatct gtatagccac ttcaggtccc ggagctacaa atctcgttag cggattagcc 540
42 gatgcgttgt tagatagtgt tcctcttgta gcaatcacag gacaagtccc tcgtcgtatg 600
44 attggtacag atgcgtttca agagactccg attgttgagg taacgcgttc gattacgaag 660
46 cataactatc ttgtgatgga tgttgaagat atccctagga ttattgagga agctttcttt 720
48 ttagctactt ctggtagacc tggacctgtt ttggttgatg ttcctaaaga tattcaacaa 780
50 cagcttgcga ttcctaattg ggaacaggct atgagattac ctggttatat gtctaggatg 840
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RAW SEQUENCE LISTING DATE: 12/18/2001
PATENT APPLICATION: US/10/004,827 TIME: 15:24:14

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12182001\J004827.raw

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<212> TYPE: PRT
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<400> SEQUENCE: 3
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/004,827

DATE: 12/18/2001
TIME: 15:24:14

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12182001\J004827.raw

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181 Arg Phe Ser Leu Pro Phe Ser Leu Asn Pro Asn Lys Ser Ser Ser Ser
182         35                  40                  45
184 Ser Arg Arg Arg Gly Ile Lys Ser Ser Ser Pro Ser Ser Ile Ser Ala
185     50                  55                  60
187 Val Leu Asn Thr Thr Thr Asn Val Thr Thr Thr Pro Ser Pro Thr Lys
188 65                  70                  75                  80
190 Pro Thr Lys Pro Glu Thr Phe Ile Ser Arg Phe Ala Pro Asp Gln Pro
191                 85                  90                  95
193 Arg Lys Gly Ala Asp Ile Leu Val Glu Ala Leu Glu Arg Gln Gly Val
194             100                 105                 110
196 Glu Thr Val Phe Ala Tyr Pro Gly Gly Thr Ser Met Glu Ile His Gln
197         115                 120                 125
199 Ala Leu Thr Arg Ser Ser Ser Ile Arg Asn Val Leu Pro Arg His Glu
200     130                 135                 140
202 Gln Gly Gly Val Phe Ala Ala Glu Gly Tyr Ala Arg Ser Ser Gly Lys
203 145                 150                 155                 160
205 Pro Gly Ile Cys Ile Ala Thr Ser Gly Pro Gly Ala Thr Asn Leu Val
206                 165                 170                 175
208 Ser Gly Leu Ala Asp Ala Leu Leu Asp Ser Val Pro Leu Val Ala Ile
209             180                 185                 190
211 Thr Gly Gln Val Pro Arg Arg Met Ile Gly Thr Asp Ala Phe Gln Glu
212         195                 200                 205
214 Thr Pro Ile Val Glu Val Thr Arg Ser Ile Thr Lys His Asn Tyr Leu
215     210                 215                 220
217 Val Met Asp Val Glu Asp Ile Pro Arg Ile Ile Glu Glu Ala Phe Phe
218 225                 230                 235                 240
220 Leu Ala Thr Ser Gly Arg Pro Gly Pro Val Leu Val Asp Val Pro Lys
221                 245                 250                 255
223 Asp Ile Gln Gln Gln Leu Ala Ile Pro Asn Trp Glu Gln Ala Met Arg
224             260                 265                 270
226 Leu Pro Gly Tyr Met Ser Arg Met Pro Lys Pro Pro Glu Asp Ser His
227         275                 280                 285
229 Leu Glu Gln Ile Val Arg Leu Ile Ser Glu Ser Lys Lys Pro Val Leu
230     290                 295                 300
232 Tyr Val Gly Gly Gly Cys Leu Asn Ser Ser Asp Glu Leu Gly Arg Phe
233 305                 310                 315                 320
235 Val Glu Leu Thr Gly Ile Pro Val Ala Ser Thr Leu Met Gly Leu Gly
236                 325                 330                 335
238 Ser Tyr Pro Cys Asp Asp Glu Leu Ser Leu His Met Leu Gly Met His
239             340                 345                 350
241 Gly Thr Val Tyr Ala Asn Tyr Ala Val Glu His Ser Asp Leu Leu Leu
242         355                 360                 365
244 Ala Phe Gly Val Arg Phe Asp Asp Arg Val Thr Gly Lys Leu Glu Ala
245     370                 375                 380
247 Phe Ala Ser Arg Ala Lys Ile Val His Ile Asp Ile Asp Ser Ala Glu
248 385                 390                 395                 400
250 Ile Gly Lys Asn Lys Thr Pro His Val Ser Val Cys Gly Asp Val Lys
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/004,827

DATE: 12/18/2001
TIME: 15:24:14

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12182001\J004827.raw

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257         435                 440                 445
259 Gln Lys Phe Pro Leu Ser Phe Lys Thr Phe Gly Glu Ala Ile Pro Pro
260     450                 455                 460
262 Gln Tyr Ala Ile Lys Val Leu Asp Glu Leu Thr Asp Gly Lys Ala Ile
263 465                 470                 475                 480
265 Ile Ser Thr Gly Val Gly Gln His Gln Met Trp Ala Ala Gln Phe Tyr
266                 485                 490                 495
268 Asn Tyr Lys Lys Pro Arg Gln Trp Leu Ser Ser Gly Gly Leu Gly Ala
269             500                 505                 510
271 Met Gly Phe Gly Leu Pro Ala Ala Ile Gly Ala Ser Val Ala Asn Pro
272         515                 520                 525
274 Asp Ala Ile Val Val Asp Ile Asp Gly Asp Gly Ser Phe Ile Met Asn
275     530                 535                 540
277 Val Gln Glu Leu Ala Thr Ile Arg Val Glu Asn Leu Pro Val Lys Val
278 545                 550                 555                 560
280 Leu Leu Leu Asn Asn Gln His Leu Gly Met Val Met Gln Trp Glu Asp
281                 565                 570                 575
283 Arg Phe Tyr Lys Ala Asn Arg Ala His Thr Phe Leu Gly Asp Pro Ala
284             580                 585                 590
286 Gln Glu Asp Glu Ile Phe Pro Asn Met Leu Leu Phe Ala Ala Ala Cys
287         595                 600                 605
289 Gly Ile Pro Ala Ala Arg Val Thr Lys Lys Ala Asp Leu Arg Glu Ala
290     610                 615                 620
292 Ile Gln Thr Met Leu Asp Thr Pro Gly Pro Tyr Leu Leu Asp Val Ile
293 625                 630                 635                 640
295 Cys Pro His Gln Glu His Val Leu Pro Met Ile Pro Ser Gly Gly Thr
296                 645                 650                 655
298 Phe Asn Asp Val Ile Thr Glu Gly Asp Gly Arg Ile Lys Tyr
299             660                 665                 670
301 <210> SEQ ID NO: 4
302 <211> LENGTH: 670
303 <212> TYPE: PRT
304 <213> ORGANISM: Arabidopsis thaliana ecotype Columbia
306 <400> SEQUENCE: 4
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312             20                  25                  30
314 Arg Phe Ser Leu Pro Phe Ser Leu Asn Pro Asn Lys Ser Ser Ser Ser
315         35                  40                  45
317 Ser Arg Arg Arg Gly Ile Lys Ser Ser Ser Pro Ser Ser Ile Ser Ala
318     50                  55                  60
320 Val Leu Asn Thr Thr Thr Asn Val Thr Thr Thr Pro Ser Pro Thr Lys
321 65                  70                  75                  80
323 Pro Thr Lys Pro Glu Thr Phe Ile Ser Arg Phe Ala Pro Asp Gln Pro
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/004,827

DATE: 12/18/2001
TIME: 15:24:14

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12182001\J004827.raw

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    130                 135                 140
Gln Gly Gly Val Phe Ala Ala Glu Gly Tyr Ala Arg Ser Ser Gly Lys
145                 150                 155                 160
Pro Gly Ile Cys Ile Ala Thr Ser Gly Pro Gly Ala Thr Asn Leu Val
                165                 170                 175
Ser Gly Leu Ala Asp Ala Leu Leu Asp Ser Val Pro Leu Val Ala Ile
            180                 185                 190
Thr Gly Gln Val Pro Arg Arg Met Ile Gly Thr Asp Val Phe Gln Glu
        195                 200                 205
Thr Pro Ile Val Glu Val Thr Arg Ser Ile Thr Lys His Asn Tyr Leu
    210                 215                 220
Val Met Asp Val Glu Asp Ile Pro Arg Ile Ile Glu Glu Ala Phe Phe
225                 230                 235                 240
Leu Ala Thr Ser Gly Arg Pro Gly Pro Val Leu Val Asp Val Pro Lys
                245                 250                 255
Asp Ile Gln Gln Gln Leu Ala Ile Pro Asn Trp Glu Gln Ala Met Arg
            260                 265                 270
Leu Pro Gly Tyr Met Ser Arg Met Pro Lys Pro Pro Glu Asp Ser His
        275                 280                 285
Leu Glu Gln Ile Val Arg Leu Ile Ser Glu Ser Lys Lys Pro Val Leu
    290                 295                 300
Tyr Val Gly Gly Gly Cys Leu Asn Ser Ser Asp Glu Leu Gly Arg Phe
305                 310                 315                 320
Val Glu Leu Thr Gly Ile Pro Val Ala Ser Thr Leu Met Gly Leu Gly
                325                 330                 335
Ser Tyr Pro Cys Asp Asp Glu Leu Ser Leu His Met Leu Gly Met His
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Gly Thr Val Tyr Ala Asn Tyr Ala Val Glu His Ser Asp Leu Leu Leu
        355                 360                 365
Ala Phe Gly Val Arg Phe Asp Asp Arg Val Thr Gly Lys Leu Glu Ala
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Phe Ala Ser Arg Ala Lys Ile Val His Ile Asp Ile Asp Ser Ala Glu
385                 390                 395                 400
Ile Gly Lys Asn Lys Thr Pro His Val Ser Val Cys Gly Asp Val Lys
                405                 410                 415
Leu Ala Leu Gln Gly Met Asn Lys Val Leu Glu Asn Arg Ala Glu Glu
            420                 425                 430
Leu Lys Leu Asp Phe Gly Val Trp Arg Asn Glu Leu Asn Val Gln Lys
        435                 440                 445
Gln Lys Phe Pro Leu Ser Phe Lys Thr Phe Gly Glu Ala Ile Pro Pro
    450                 455                 460
Gln Tyr Ala Ile Lys Val Leu Asp Glu Leu Thr Asp Gly Lys Ala Ile
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/004,827

DATE: 12/18/2001
TIME: 15:24:15

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12182001\J004827.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:618 M:283 W: Missing Blank Line separator, <400> field identifier

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/004,827

DATE: 12/12/2001
TIME: 14:27:48

Input Set : A:\38-10(15820)B CRF.txt
Output Set: N:\CRF3\12112001\I004827.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Jander, Georg
4 Baerson, Scott R
5 Durrett, Timothy P
7 <120> TITLE OF INVENTION: Plants with Imidazolinone-Resistant ALS
9 <130> FILE REFERENCE: 38-10(15820)B
C--> 11 **<140> CURRENT APPLICATION NUMBER: US/10/004,827**
C--> 11 **<141> CURRENT FILING DATE: 2001-12-07**
11 <150> PRIOR APPLICATION NUMBER: US 60/257,480
12 <151> PRIOR FILING DATE: 2000-12-21
14 <160> NUMBER OF SEQ ID NOS: 38
16 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

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985 <212> TYPE: PRT
986 <213> ORGANISM: Zea mays
988 <400> SEQUENCE: 38
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994 Phe Gln Glu Thr Pro Ile Val Glu Val Thr Arg Ser Ile Thr Lys
995 20 25 30
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/004,827

DATE: 12/12/2001
TIME: 14:27:49

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Output Set: N:\CRF3\12112001\I004827.raw

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:615 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:615 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:615 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:615 M:283 W: Missing Blank Line separator, <400> field identifier
L:1001 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:38